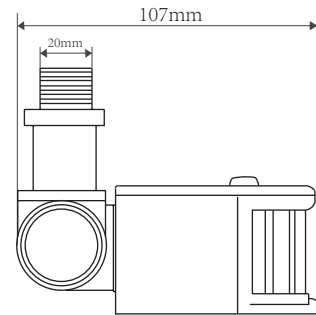
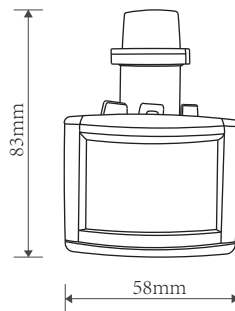


LX16B Infrared Sensor Instruction



Summary

The product is an energy-saving automatic switch, it adopts integrated circuit and precise detecting components. It can be on when one comes and will off automatically after leaves. It can identify day and night automatically. Its performance is very stable. The lights will shine and automatically turn on when one enters the detection field and trigger it to work; the light will turn off after one leaves.

Specifications

Power source: 220-240V/AC ☐
100-130V/AC ☐

Power frequency: 50/60Hz

Rated load: 1200W Max.tungsten(220-240V/AC)
120W Max.fluorescent(220-240V/AC)
800W Max.tungsten(100-130V/AC)
80W Max.fluorescent(100-130V/AC)

Detection range: 2~11m (22℃) (adjustable)

Detection angle: 180°

Working temperature: -10℃~+40℃

Working humidity: <93%RH

Time setting: 5sec~7min±2min (adjustable)

Light-control: <10~2000Lux (adjustable)

Power consumption: 0.45W(static 0.1W)

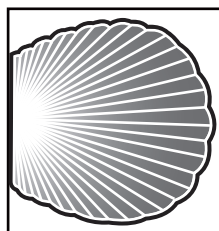
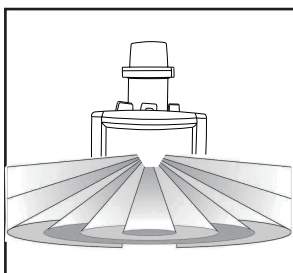
Detection motion speed: 0.6~1.5m/s

Installation height: 1.8m~2.5m

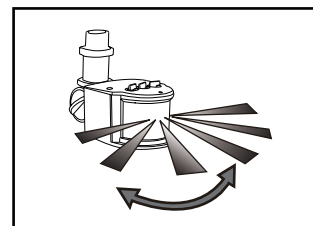
Function

- Can identify day and night automatically. Ambient-light can be adjusted. So it will work at night and stop in the daytime. The consumer can adjust it freely.
- Detection range can be adjusted according to the local place.
- The time setting can be adjusted vary to the place.
- The light-time can be added automatically. When human moves in the detection fields when the lamp is lighting, it can compute time once more and delay automatically the light-time after the light-time detect the signals every time.
- Installation diversify: we can fit connection –line box, connection-mouth, 1/2"spiralling connection-hand.

Senser Information



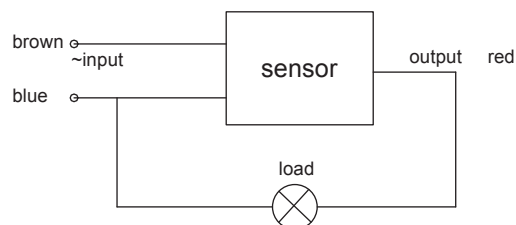
2~11m
Correct moving orientation



180°
Detection angle

Installation

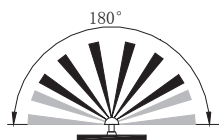
Avoid installing it where there is sunshine or air stream and temperature alter obviously.
Connect line according to the right figure.



Connect

The detailed installing is confirmed according to the right figure.

- I .Detection Angle(top view) II .Good sensitivity(arrow is the moving orientation)
III.Poor sensitivity IV.Detection Distance and Range(side view)



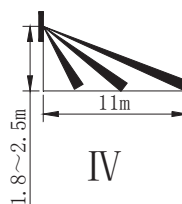
I



II



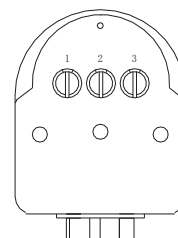
III



IV

Operation

- 1) Sensitivity: turn the knob "1" clockwise to raise its sensitivity and turn it anti-clockwise to reduce its sensitivity.
- 2) Turn the knob "2" clockwise to last operating time and turn it anti-clockwise to shorten it .
- 3) Light control: turn the knob"3",this product can operate in different ambient-light.(See the fig.)



ATTENTION:

When use this product, please adjust the sensitivity to an appropriate position you need, please do not adjust the sensitivity to maximum, to avoid the product does not work normally caused by wrong motion.Because the sensitivity is too high easily detect the wrong motion by wind blowing leaves & curtains, small animals, and the wrong motion by interference of power grid & electrical equipment. All those lead the product does not work normally !

When the product does not work normally, please try to lower the sensitivity appropriately, and then test it.

Notes

Avoid installing it where there is sunshine or air stream and temperature alter obviously.
Avoid impacting the lens device with sharp things or coarse pollutant.

Some problem and solved way

- **The load don't work:**
 - a: Check the power and the load;
 - b: If the load is good;
 - c: If the indicator lamp is green;
 - d: Please check if the working light correspond to the light-control.
- **The sensitivity is poor:**
 - a: Please check if in front of the detection window there is hinder that effect to receive the signals;
 - b: Please check the ambient temperature;
 - c: Please check if the signals source is in the detection field;
 - d: Please check the installation height;
 - e: If the moving orientation is correct.

➤ **The sensor can't shut automatically the load:**

- a: If there are continual signals in the detection fields;
- b: If the time setting is set to the longest;
- c: If the power correspond to the instruction;
- d: If the air temperature change near the sensor, for example air condition or central heating etc.



Warning!

- **When used in different environments, please do not to adjust the sensitivity to the highest. Because that could easily lead to malfunction.**
- **Please confirm with prefessional installation.**
- **Please cut off power supply before installation and removal operations.**
- **Make sure that you have cut off the power for safety purposes.**
- **Improper operation caused losses, the manufacturer does not undertake any responsibility.**

We are committed to promoting the product quality and reliability, however, all the electronic components have certain probabilities to become ineffective, which will cause some troubles. When designing, we have paid attention to redundant designs and adopted safety quota to avoid any troubles.

This instruction, without our permission, should not be copied for any other purposes.

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